

ACC NR: AP6026749

(A)

SOURCE CODE: PO/0035/66/000/009/0257/0259

AUTHOR: Filipczynski, Leszek (Doctor; Engineer; Director); Luty, Wacław (Dr.; Eng.); Etienne, Jerzy (Master Engineer)

Filipczynski; Etienne

ORG: Laboratory for the Passive Applications of Ultrasound of the Institute for the Investigation of Vibrations of the IPPT - Polish AS, Warsaw (Pracownia Biernych Zastosowań Ultradźwięków Zakładu Badania Drgan IPPT-PAN) ; Luty Institute of Precision Mechanics, Warsaw (Instytut mechaniki precyzyjnej)

TITLE: Testing fatigue strength by the ultrasound method

TOPIC TAGS: fatigue strength, fatigue test, ultrasound absorption, ultrasonics, ultrasonic sensor, structural steel, bearing steel / 16H2N2MB structural steel, LH15 bearing steel

ABSTRACT: The article reports on tests carried out on type 16H2N2MB structural steel and on type LH15 quenched, low tempered bearing steel which had been smelted by two different processes: in an arc furnace and terminal deoxidation with the aid of Si and Al (normal steel) and as above but with vacuum deoxidation in the ladle with the aid of carbon dissolved in the steel before the addition of Si and Al (Vacuum deoxidized steel) in order to determine the effect of the smelting process on the fatigue strength during vibratory strength compression-stretching. The investigation was undertaken because the wider application of ultrasound methods using the high power and high vibration frequency (up to 23 kc) devices for this kind of testing developed and perfected at the Department for the Design of Prototypes of the Institute of Fundamental Technological Problems (Zakład Konstrukcji Prototypów Instytutu Podstawowych Problemów) in Poland requires exhaustive testing to determine the effect of high

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vibration frequencies on fatigue strength. These new devices make it possible to shorten test time by 230 times. The comparative testing by the classical method of the steel samples mentioned above makes it possible to determine the scope of applicability of the ultrasound method to fatigue testing. Comparison of the test results in the case of the type IH15 which were obtained by the ultrasound and conventional methods does not exhibit satisfactory agreement. Agreement between the results obtained by the two methods for the type 16H2N2MB steel is considered satisfactory within the limited scope of fatigue strength. Orig. art. has 7 figures and 1 table.

SUB CODE: 11,20/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001/

Card 2/2

ACC NR: AP6026749

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SOURCE CODE: PO/0035/66/000/009/0257/0259

AUTHOR: Filipczynski, Leszek (Doctor; Engineer; Director); Luty, Wacław (Dr.; Eng.); Etienne, Jerzy (Master Engineer)

ORG: Filipczynski; Etienne
Laboratory for the Passive Applications of Ultrasound of the Institute for the Investigation of Vibrations of the IPPT - Polish AS, Warsaw (Pracownia Biernych Zastosowan Ultradzwiekow Zakladu Badania Drgan IPPT-PAN); Luty - Institute of Precision Mechanics, Warsaw (Instytut mechaniki precyzyjnej)

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SUB CODE: 11,20/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001/

Card 2/2

18(5,7)

AUTHOR:

Luty, W., Engineer

POL/39-26-6-4/9

TITLE:

Prevention against Flakes in Heavy Steel Forgings

PERIODICAL:

Hutnik, 1959, Vol 26, Nr 6, pp 237-245 (Poland)

ABSTRACT:

The arising of flakes in heavy forgings disqualifies the material entirely for further use and has, therefore, to be prevented by all means. The Soviet metallurgical expert W.J. Dubovoy, who wrote a monograph on this subject, mentions the following reasons for flakes: 1) Hydrogen and structural tension of material are the most important causes for flakes creation; 2) It is not the high pressure of hydrogen, when accumulating in pores of steel ($120 - 140 \text{ kg/mm}^2$), but the circumstance, that the presence of hydrogen decreases the plasticity of steel; 3) The influence of structural tension and hydrogen contents increases with the speed of cooling down of the material. Influence of hydrogen is increasing, because a part of it escapes by diffusion; 4) Smelting and casting processes decide whether the material will tend to create flakes, while

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POI/39-26-6-4/9

Prevention against Flakes in Heavy Steel Forgings

their creation itself takes place during the period of cooling down after forging. Western literature shows that the presence of hydrogen in steel is a decisive factor for flake creation, but not the only one. On occasions where the hydrogen content was up to 12 Ncm³/100 g, no flakes were noticed, while on other instances, flakes arose with a hydrogen content of about 2 Ncm³/100 g. With a hydrogen content of less than 1 Ncm³/100 g, creation of flakes has never been noticed, consequently this hydrogen content is considered a definite safety factor for the material. As casting in vacuum will be done in Poland in a few years only, application of proper preventive thermal processing immediately after forging is indicated. It is generally assumed, that a proper thermal process after forging should eliminate possibilities of flake creation entirely, even if working on steel with a high hydrogen content. This assumption may be correct theoretically, but it is not proved definitely in

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Prevention against Flakes in Heavy Steel Forgings

practice, as the technology of preventive thermal processes is not yet based on exact dependances between: (a) hydrogen contents; (b) original size of the casted piece; (c) size of finished forging; (d) type of steel. This is why we still base our respective preventive processes on the experience of major plants rather, than on exact calculations, especially with regards to duration of such processes. Effectiveness of such processes is not sure in all cases, mainly, where really big diameters of pieces are in question or steel types with a high inclination to create flakes. Removal of hydrogen is possible via diffusion. According to Dubowoy, Andrew and others, the speed of diffusion in phases γ and δ is the highest at the highest temperatures of those phases. So, for phase γ it is a temperature of about $1,500^{\circ}\text{C}$ and for phase δ about 670°C . Times needed for decreasing hydrogen contents at 650°C from $8 \text{ Ncm}^3/100\text{g}$ to $1 \text{ Ncm}^3/100\text{g}$ are

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Prevention against Flakes in Heavy Steel Forgings

as follows for the diameters indicated:

Ø 25 mm	about	1 hour
Ø 130 "	"	25 "
Ø 255 "	"	100 "
Ø 650 "	"	6:25 "

Practically removal of hydrogen out of diameters above 500 mm is impossible. As final clarification on causes for flake creation is not yet given, flake prevention is carried out on the basis of experience of Polish and foreign plants. It should be noticed though, that compared with foreign plants, Polish specialists do not exercise the necessary care on this particular problem. There is a definite lack of equipment to determine the gas contents of material. There are 14 graphs, 1 table and 9 references, 3 of which are Polish, 3 Soviet, 2 German and 1 English.

ASSOCIATION: Huta "Warszawa" (Steel Foundry "Warszawa")
Card 4/4



LUTYK, L.

Role of agricultural circles in rural construction.

P. 5. (BUDOWNICTWO WIEJSKIE) (Warszawa, Poland) Vol. 10, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

CIOMBOROWSKI, Antoni; LUTYNSKA, Teresa

Interdependence of sex of large white bacon pigs and the
quality of their ham. Roczniki Wyz Szkola Rol Poznan no. 12:
97-104 '62.

1. Katedra Szczegolowej Hodowli Zwierzat, Wyzsza Szkola Rolnicza,
Poznan.

LUTYNSKI, H.; ARTMAN, J.

The systems of chain broadcasting with carrier frequency amplification. p.210.
(WIADOMOSCI TELEKOMUNIKACYJNE, Warszawa, Vol. 23, No. 9/10, Sept./Oct. 1954)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

LUTYNSKI, J.

"Dust Removal From Combustion Products By Means Of Electric Precipitators" p. 136.
(Przegląd Elektrotechniczny, Vol. 29, no. 4, Apr., 1953, Warszawa)

East European Vol. 3, No. 2,
SO: Monthly List of ~~Russian~~ Accessions,/Library of Congress, February, 1954, ~~1955~~, Uncl.

LUTYNSKI, J., mgr inz.; WOJTAHA, Z., mgr inz.

Conference on dedusting techniques in textile filters. Soap pulp
12 no.11:386-388 N '64.

Lutynski, J.

3505. Power supply for electrofilters (precipitators).
J. LUTYNSKI. *Przegląd elektrotechniczny*, 36, No. 4, 141-6
(1954). In Polish.

The choice of the magnitude of d.c. supply voltage (kV), current (mA), full or half-wave rectification, from 1-ph. or 3-ph. a.c., depends upon the type and dimensions of precipitators, type of gas and its impurities, their velocity, temperature and humidity. The relative advantages of using diode rectifiers (too costly), Se rectifiers (under development) and mechanical rectifiers are discussed. Circuits using mechanical rectifiers are described in detail.

J. LUKASZEWICZ

JK

LUTYNSKI, Roman

Body-louse infestation in patient with typhus as a source
of new infections. Przegl.epidem.Warsz. 9 no.1:37-38 1955.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w
Krakowie.

(TYPHUS, transmission
recur.typhus in father transmitted to children)

STARZYK, J.; PRZYBYLKIWICZ, Z.; DOLEZAL, M.; LUTYNSKI, R.; RUDOLF, A. (Krakow)

Studies on the frequency of *Toxoplasma gondii* infection in
abatoir workers in the Krakow region. *Wiadomosci parazyt.*, Warsz.
2 no.5: Suppl:53-54 1956..

1. Zaklad Mikrobiologii Lekarskiej A.M. I Wojewodzka Stacja
San.-Epid.

(TOXOPLASMOSIS, statistics,
in abatoir workers (Pol))

(SLAUGHTERING AND SLAUGHTERHOUSES,
toxoplasmosis in slaughterhouse workers (Pol))

LUTYNSKI, R. (Krakow)

Observations on methods of liquidation of pediculosis in rural population. Wiadomosci parazyt., Warsz. 2: no. 5, Suppl: 93-94, 1956.

1. Wojewodzka Stacja Sanitarno-Epidemiologiczna.
(PEDICULOSIS, prevention and control,
insecticide azotox (Pol))
(INSECTICIDES, therapeutic use,
azotox in pediculosis (Pol))

EXCERPTA MEDICA Sec. 17 Vol. 3/7 Public Health July 57

2092. LUTYNSKI R. Wojewódzkiej Stacji Sanitarno-Epidemiol., Kraków.
Pierwsze ognisko gorączki Q na terenie Polski (doniesienie wstępne)
The first occurrence of Q fever on Polish territory PRZEGL. LEK. 1956,
12:6 (187—188)

The disease was discovered in a rural area Rzeszów wojew, Cracow, among persons in contact with sheep, imported from Roumania. It began in the spring during the lambing season and affected first personnel engaged in sheep shearing, and subsequently the surrounding country population as well as workers in a laboratory for wool analysis in Cracow. Laundry workers were also infected by their contact with overalls contaminated with wool dust. The diagnosis of Q fever was based on epidemiological anamnesis, on clinical facts and on the serological reactions.

Mikulowski — Cracow

Country : POLAND

E

Category: Virology. Viruses of Man and Animals.
Rickettsias.

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103558

Author : Lutynski, R.; Nowicki, J.; Starzecka, B.; Zadura, St.;
Zienichod, T.

Title : "Q" Fever in Krakow

Orig Pub: Przegl. lekar, 1957, No 2, 33-38

Abstract: Cases were observed for the first time in 1956 among persons who had been in contact with sheep wool imported from Rumania shortly before the outbreak. The presence of "Q" fever was confirmed by the complement-fixation reaction with rickettsial antigens.

Card : 1/1

LUTYNSKI, Roman; DOLEZAL, Marian

Incomplete antibodies in patients and convalescents in Q fever.
Med. dosw. mikrob. 9 no.3:289-292 1957.

1. Z Wojewodzkiej Stacji San.-Epid. w Krakowie Dyrektor; doc.
dr M. Bilek i z Zakladu Mikrobiologii A. M. w Krakowie. Kierownik:
prof. dr Z. Przybylkiewicz.

(Q FEVER, immunology,

an incomplete antibodies in patients & convalescents (Pol))

EXCERPTA MEDICA Sec. 17 Vol. 3/11 Public Health Nov. 57

3321. LUTYŃSKI R., RAGINIS Z., ZIEMICHÓD T. and KOŹMIŃSKA A. Wojewódzkiej Stacji San-Epid., Klin. Chor. Zakaźnych A.M., Kraków. *Ognisko gorączki Q w Krakowie. Q fever outbreak in Cracow PRZEGL. EPIDEM. 1957, 11/1 (69-79) Tables 1

The authors describe the first recognized focus of Q fever in Poland. It arose as a result of the transport of infected sheep from Romania. Samples of wool for research purposes were taken from these sheep during the lambing season. The wool samples brought to one of the zootechnical stations of Cracow caused infection among the workers in the wool laboratory, and subsequently among the administrative personnel who came into contact with the aprons which had been used in the laboratory. In turn, there occurred cases in the laundry to which the dirty aprons had been sent. One case was noted among the customers of this laundry; she had been present when the dirty aprons were received. The disinfection of the collected samples of wool also caused illness in the person who was superintending this. In addition, one isolated case was ascertained among the members of a family - the brother of an infected person. All the cases in Cracow, of which 21 were registered, had been in direct or indirect contact with dust from the infected wool, and were most probably infected by inhalation. All cases were confirmed by serological tests (complement fixation). From an epidemiological point of view, these cases of Q fever in the Cracow district were connected with those which had previously appeared at the station where the imported flock of sheep were kept.

POLAND / Microbiology. Microbes Pathogenic for Man F-4
and Animals. Bacteria. Brucelli.

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76761.

Author : Lutynski, Roman.

Inst : Not given.

Title : Use of Reaction of Agglutination on Glass for the
Diagnostic of Human Brucellosis.

Orig Pub: Przegl. epidemiol., 1957, 11, No 2, 151-156.

Abstract: During parallel investigation of 460 sera of persons with suspicion of brucellosis, by means of reaction of agglutination (RA) on glass with stained antigen *Brucella bovis* and RA in test tubes, concurrent results were obtained in 97.2% of cases. In the remaining 2.8% cases, positive results were obtained only in RA on glass. The Coombs' test with serums, which gave a negative

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FORYS, Stanislaw; LUTYNSKI, Roman; MAGINIS, Zofia

Antibody level in patients convalescing from typhus measured by complement fixation test. Przegl. epidem., Warsz. 11 no.2:157-162 1957.

1. Z Wojewodzkiej Stacji San.-Epid. w Krakowie Dyrektor: doc. dr M. Bilek.
(TYPHUS, immunol.
antibodies in convalescent patients determ. by complement fixation test (Pol))

EXCERPTA MEDICA Sec. 6 Vol. 11/9 Sept. 57

LUTYŃSKI R.

5238. LUTYŃSKI R., NOWICKI J., STARZECKA B., ZADURA S. and
ZIEMICHOD T. *Zaraza Gorączki Q w Krakowie. Epidemic of Q-
fever in Cracow PRZEGŁ. LEK. 1957, 13/2 (33-38) Tables 3 Illus. 6
A description is given of 3 cases with positive CFT. The patients fell ill sudden-
ly and presented infiltrative lesions of the lower lobes of the lungs, the fever
lasted 10-12 days. At the same time 4 other patients were suffering from Q-fever
without lung lesions. Mikulowski - Cracow (XX, 6)

STARZYK, Jan; PRZYBYKIEWICZ, Zdzislaw; DOLEZAL, Marian; LUTYNSKI, Roman

Studies on toxoplasmosis in rural conditions. Wiadomosci parazyt.,
Warsz. 4 no.5-6:397; Engl. transl. 397-398 1958.

1. Z Zakl. Mikrobiologii Ak. Med. i Woj. Stacji San. Epid. w Krawowie.
(TRICHINOSIS, epidemiology,
in Poland, in rural areas (Pol))

GEORGIADIS, Jerzy; LUTYNSKI, Roman; NEYMAN, Kazimierz; GIERCZYNSKA, Teresa;
SWIECHOWSKA, Walentyna

Investigations on applying the aldolase test in the epidemiology of
hepatitis epidemica. Bull. Inst. Marine M. Gdansk 9 no.1-2:27-36 1958.

1. (From the Institute of Marine Medicine in Gdansk, and the Sanitary-
Epidemiological Stations of Cracow and Poznan).

(ALDOLASES, determination
aldolase activity in blood in early detection of epidemic
hepatitis)

(HEPATITIS, INFECTIOUS, diagnosis
determ. of aldolase activity of blood)

LUTYNSKI, Roman

Epidemiological characteristics of sporadic and epidemic typhus in the Krakow region during 1950-1955. Przegl. epidem., Warsz. 12 no.2:157-163 1958.

1. Z Wojewodzkiej Stacji San.-Epidemiologicznej w Krakowie. Dyrektor:
doc. dr M. Bilek.

(TYPHUS, epidemiology,
in Poland (Pol))

LUTYNSKI, R.

BILEK, Mieczyslaw; LUTYNSKI, Roman; RAGINIG, Zofia

Attempted reconstruction of the course of disease in old foci of epidemics of typhus. Przegl. epidem., Warsz. 12 no.2:165-170 1958.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Krakowie
Dyrektor: doc. dr M. Bilek.

(TYPHUS,
reconstruction of course of infect. in old epidemic foci (Pol))

LUTYNSKI, Roman; DOLYZAL, Marian

Coombs' antiglobulin reaction in the studies on tularemia. Postepy
hig. med. dosw. 12 no.5:537-539 1958.

1. Wojewodzka Stacja Sanitarno-Epidemiologiczna Krakow, ul. Zygmunt
August 1 oraz Zaklad Mikrobiologii Lekarskiej AM Krakow, ul. Czysta
18.

(TULAREMIA, immunol.
Coombs' test (Pol))

(HEMAGGLUTINATION,
Coombs' test in tularemia (Pol))

LOTYNSKI, Roman; RAGINIS, Zofia

Effect of non-specific stimulus on complement fixation reactions in typhus convalescents. Postepy hig. med. dosw. 12 no.5:541-543 1958.

1. Wojewodzka Stacja Sanitarno-Epidemiologiczna Dzial Epidemiologiczny
Krakow, ul. Zygmunta Augusta 1.

(TYPHUS, imminol.

complement fixation in convalescents, eff. of non-specific stimulus (Pol))

(COMPLEMENT,

fixation in typhus convalescents, eff. of non-specific stimulus (Pol))

LOTYNSKI, Roman; WISNIOWSKI, Jerzy

Personal experience with the usefulness of the rapid agglutination test in the diagnosis of brucellosis in man & animals. Polski tygod. lek. 13 no.25:952-953 23 June 58.

1. (Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Krakowie; dyrektor: doc. dr M. Bilek i z Wojewodzkiego Zakładu Higieny Weterynaryjnej w Krakowie, kierownik: doc. dr A. Ratomski). Adres: Krakow ul. Zygmunta Augusta I, Woj. Stacja Sanit.-Epid. Dzial Epidemiolog.

(BRUCELLOSIS, diag.

rapid agglut. test in man & animals, clin. value (Pol))

(AGGLUTINATION

rapid agglut. test for diag. of brucellosis in man & animals,
clin. value (Pol))

EX LIBRIS MEDICA Sec. 6 Vol 13/12 Internal med. Dec 59

6878. TYPHOID FEVER IN THE VACCINATED AND NON-VACCINATED - Dur
brzusny u szczepionych i nie szczepionych - Lutyński R. Wojewód.
Stacji Sanit.-Epidemiol., Kraków - PRZEGL.LEK. 1958, T4/12 (396-397)
Tables 1

The observations are based on 180 typhoid patients, 53 of whom were vaccinated,
while the remaining 127 were either unvaccinated against typhoid or had been
vaccinated 2 yr. or more previously. Prophylactic vaccinations against typhoid
attenuate the course of the disease, resulting in mild or moderately severe cases.
The number of severe cases among the vaccinated persons was definitely smaller,
and fatality was lower.

Anigstein - Galveston, Tex. (L, 6, 17)

DOLEZAL, M.; LUTYNSKI, R.; WISNIOWSKI, J. (Krakow)

Attempt at using the antiglobulin serum from different species in
the Coombs test adapted to the diagnosis of bovine brucellosis.
Rocz nauk roln wet 70 no.1/4:211-213 '60. (EEAI 10:9)

(Serum)	(Antiglobulin test)	(Coombs test)
(Brucellosis)	(Cattle)	

KOENIG, I.; LUTYNSKI, R.; MEINHARDT, S. (Krakow)

Attempt at using the ring reaction test (ABR) in laboratory checking
of market milk. Rocznik Roln Wet 70 no.1/4:215-216 '60.
(EEAI 10:9)

(Milk)

FORYS, S.; LUTYNSKI, R. (Krakow)

The lambing of sheep infected with *Rickettsia burneti* and the Q-fever
in men. Rocz nauk roln wet 70 no.1/4:284 '60.

(EEAI 10:9)

(Sheep) (*Rickettsia burneti*) (Q fever)

LUTYNSKI, Roman

Role of incomplete antibodies in the diagnosis of human
brucellosis. Arch. immun. ter. dosw. 8 no.1:49-66 1960.

1. Wojewodzka Stacja Sanitarno-Epidemiologiczna w Krakowie,
Dyrektor: Doc. dr M. Bilek; Zaklad Mikrobiologii Akademii
Medycznej w Krakowie, Kierownik: Prof. dr Z. Przybylkiewicz.
(BRUCELLSIS immunol.)
(ANTIBODIES)

PIENIAZEK, Przemyslaw; LUTYNSKI, Roman

Role of infections with the bacillus Brucella in the pathogenic
syndrome of chronic rheumatic disease. Polski tygod.lek. 15 no.24:
906-909 13 Je '60.

(ARTHRITIS RHEUMATOID etiol)
(BRUCELLOSIS compl)

LUTYNSKI, R.; WISNIOWSKI, J. (Krakow)

Preliminary remarks on the spreading of bovine and human brucellosis
in Krakow Voivodeship. Rocznik roln wet 70 no.1/4:203 '60.
(EEAI 10:9)

(Brucellosis)

LUTYNSKI, Roman

Distribution of cases of tetanus in the south-eastern section of Poland. Przegl. epidem. 15 no.3:285-288 '61.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Krakowie .
Dyrektor: doc. dr M.Bilek.
(TETANUS epidemiol)

LUTYNSKI, R.; MADEYSKI, St.; WISNIOWSKI, J. (Krakow)

Attempt to introduce a regular serologic check up of the herd personnel simultaneously with the periodic tests of the cattle of the Zootechnical Institute. Rocznik nauki rolniczej 70 no.1/4:169-170 '60. (EEAI 10:9)

(Cattle) (Blood)

LUTYNSKI, R.

30

POLAND

EULESZA, Aleksandra of the Department of Epidemiology (Zaklad Epidemiologiczny) of the PZH /Panstwowy Zaklad Higieny -- State Institute of Hygiene/; Director: Prof Dr F. PRZESMYCKI, Head of the Department: J. KOSTRZEWSKI; J. GOLBA, T. JOTKIEWICZ, M. KACPRZAK, W. KOCIELSKA, K. LIPIŃSKA, R. LUTYNSKI, J. MAKAREWICZ, S. PEKA, T. ROKIEWICZ, W. ROGŻE-WICA, S. SZCZESNIAK, D. ZOLNIERKOWA all of the WSSE /Wojewodzkie Stacje Sanitarne-Epidemiologiczne -- Wojewodztwo Health and Epidemiology Stations/; H. HOBNOWSKI, A. GREGG, J. GELBER, E. JUZWA, J. KUROCZKA, J. SYGNATOWICZOWA, Z. SZCZERSKA, K. SZCZYGIELSKI, K. SWICOWA, R. WARCICH of the Departments of Poliomyelitis Patients (Oddzialy dla Chorych na Poliomyelitiz) of the WSSE; H. DOBRNOWOLSKA of the Department of Virology (Zaklad Virusologii) of PZH; Director: Prof Dr F. PRZESMYCKI; J. ADAMSKI (Poznan), H. DOBRNOWOLSKA (Warsaw), J. BOCHNIEWSKA (Lodz), M. KOENIG (Krakow), N. MAKOWER (Wroclaw), F.Z. TAYTSCH (Warsaw) of the PZH; technical aid of A. BAGINSKA of the PZH.

"Safety of Immunization with the Attenuated Polio Virus ...

1/2

POLAND

Strains Type 1 Chat and Type 3 W Fox''

Warsaw, Przegląd Epidemiologiczny, Vol XVI, No 4, 62, pp 377-388.

Abstract: [Author's English summary modified] An epidemiological, clinical and virological analysis of poliomyelitis in Poland was made within 6 weeks after completion of oral immunization with polio virus type 1 Chat and type 3 W Fox. Investigations made in 1959 and 1960 show the complete safety of Koprowski's attenuated oral vaccine type 1 Chat. The strain 3 W Fox is indicated as a pathogenic one and its uncertain safety found by investigations in 1960 has been confirmed. 8 tables; 2 diagrams; 9 references, 2 Polish the rest Western.

2/2

LUTYNSKI, Roman; WASOWA, Danuta

Epidemiologic aspects of infestation with *Taenia saginata*. Wiad.
parazyt. 9 no.1:31-39 '63.

1. Wojewodzka Stacja Sanitarno-Epidemiologiczna, Kraków.
(TAPEWORM INFECTION) (TAENIA) (CATTLE DISEASES)
(EPIDEMIOLOGY)

LUTYNSKI, Roman

Evaluation of vaccines and the effectiveness of vaccinations against typhoid fever. VII. Evaluation of post-vaccination reactions following the use of N, P, S, T vaccines in children and adolescents. Przegl. epidem. 17 no.1/2:49-54 '63.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej W Krakowie
Dyrektor: doc. dr M. Bilek.
(TYPHOID-PARATYPHOID VACCINES) (STATISTICS)

CHLAP, Zbigniew; LUTYNSKI, Roman

Experimental infection with coxsackie A-7 virus. I. Course of the infection and morphology of the lesions in white mice. Acta med. Pol. 5 no.3:255-266 '64.

1. Department of Pathologic Anatomy, Medical Academy, Cracow (Director: Prof. Dr. J. Kowalczykowa) and The Provincial Sanitary-Epidemiologic Station, Cracow (Director: Assoc. Prof. Dr. M. Bilek).

LUTYNSKI, Roman

Tetanus in the Krakow region according to observations made during the period of 1956-1961. Przegl. epidem. 18 no.1:117-118 '64.

1. % Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Krakowie
(~~Dyrektor~~: doc. dr. M. Bilek).

LUTYNSKI, Roman

Evaluation of vaccines and the effectiveness of anti-typhoid vaccination. XIX. Serological reactions in subjects vaccinated with various anti-typhoid vaccines. Przegl. epidem. 18 no.3: 347-353 '64

1. Z Wojewodskiej Stacji Sanitarno-Epidemiologicznej w Krakowie. (dyrektor: doc. dr. M. Bilek).

BILK, Mieczysław; KUTYK, Irena; KUTYK, Roman

The persistence of poliomyelitis virus type 1 in vaccinated individuals and in their environment. Przegl. epidemiol. 19 no.1:97-100 1965

L. S. Mojewodzkiej Stacji Sanitarno-Epidemiologicznej w Krakowie (dyrektor: doc. dr. M. Bilek).

L 01917-67 T RO/JK

ACC NR: AP6055159

(A) SOURCE CODE: PO/0081/65/019/002/0222/0223

LUTYNSKI, Roman and SZNAJDER, Tadeusz; Regional Sanitation and Epidemiology Station (Wojewodzka Stacja Sanitarno-Epidemiologiczna) and Clinic of Infectious Diseases of Academy of Medicine (Klinika Chorob Zakaznych AM), Krakow.

"Results of Questionnaires on Food Poisoning in Outpatient Conditions."

Warsaw, Przegląd Epidemiologiczny, Vol 19, No 2, 1965; pp 222-223.

Abstract: Analysis of questionnaires returned by 111 physicians (92 rural and 19 urban), regarding the differential diagnostic criteria of gastroenteritis, common diarrhea and food poisoning. Just over half (54.1%) of the respondents felt no general criteria could be stated; the remaining physicians who responded listed one or more of 9 clinical and bacteriologic or circumstantial criteria of diagnosis. No less than 17.1% felt specimen analysis was relatively useless due to the delay and need for immediate diagnosis and treatment. Presented at the 3rd Scientific Assembly of Polish Epidemiologists and Infectologists, Krakow, 5-6 Oct 64. [JPRS]

TOPIC TAGS: food sanitation, digestive system disease

SUB CODE: 06 / SUBM DATE: none

Card 1/1

blg

092/ 1549

LUPYNSKI, Tadeusz, inz.; LANCUCKI, Piotr

A railroad car for the testing and measuring of the state of rails and its utilization. Przegl kolej drog 14 no.5:93-96 My '62

POLAND

LUTYNSKI, Wladyslaw [Affiliation not shown] Warsaw.

"Non-Infectious Diseases of Animals in Poland in 1964."

Lublin, Medycyna Weterynaryjna, Vol 21, No 11, Nov 65; pp 657-660.

Abstract : Comprehensive review of data on diseases as classified by eleven categories in cattle, sheep, hogs and horses. Digestive tract diseases were most frequent in all these species. Considerable data are also presented regarding the incidence in individual regions of Poland; table shows percentage values for 1962 to 1964.

1/1

- 243 -

LUTYNSKI, Wladyslaw

SURNAME, Given Names

Country: Poland

Academic Degrees: /not given/

Affiliation: /not given/

Source: Warsaw, Medycyna Weterynaryjna, Vol XVII, No 5, May 1961, pp 302-305.

Data: "The More Important Regulations Concerning Veterinary Service
Introduced in 1960."

GPO 981643

POLAND

LUTYNSKI, Wladyslaw [Affiliation not given]

"Regulations Concerning the Veterinary Service or of Interest to It, Issued in 1962."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 11, No 4, Apr 63, pp 216-219.

Abstract: The author lists all regulations issued in 1962 that are of concern or interest to the Veterinary Services under the following headings: I. Control of Infectious Animal Diseases, II. Veterinary Supervision and Prophylactics, III. Animal Breeding, IV. Sanitary Veterinary Supervision, V. Organizational and Economic Matters, and VI. Problems of Cooperation with the Health Services. Each regulation has the official number, date of approval, and explanation of the matter it deals with. There are no references.

1/1

L 29755-66 T JK

ACC NR: AP6020905

(A)

SOURCE CODE: PO/0071/65/000/008/0499/0502

AUTHOR: Lutynski, Wladyslaw (Warsaw)

ORG: none

TITLE: Mass ⁶vaccination in animals in 1964

SOURCE: Medycyna weterynaryjna, no. 8, 1965, 499-502

TOPIC TAGS: vaccine, animal disease, immunology, hog cholera, rabies

ABSTRACT: Complete data about the effectiveness in carrying out the vaccination against hog cholera, fowl cholera and rabies in 17 Polish territorial units: number of animals according to other statistics, number of animals vaccinated, percentage, and related factors; discussion. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 02, 06 / SUBM DATE: none

Card 1/1

CC

LAPINSKA, Jozefina; oraz wspolpracownicy: BANASZKIEWICZ, Halina;
STALINSKA, Elzbieta; DOBRUCKA-KOKINSKO, Ewa; KALINOWSKI, Jan;
KROSNIAK, Franciszka; GWOZDZ, Jozef; LUTZ, Hanna; LUTZ, Jerzy;
DWORAK, Wlodzimierz; NARUSZEWICZ, Wanda

The efficiency of occupational rehabilitation in sanatoria
for young people. Gruzlica 33 no.4:323-332 Ap '65.

1. Z Zespolu Nadzoru Specjalistycznego Instytutu Gruzlicy
(Kierownik: lek. A. Kwiekowa) (for Lapinska). 2. Sanatorium
w Lagiewnikach (for Banasziewicz, Stalinska). 3. Sanatorium
im. Okrzei w Otwocku (for Dobrucka-Kokinsko, Kalinowski).
4. Sanatorium w Istebnej (for Krosniak, Gwozdz). 5. Sanatorium
w Dziekanowie Lesnym (for H. Lutz, J. Lutz). 6. Sanatorium w
Dzierzaznie (for Dworak, Naruszewicz).

LUTZ, Jerzy

Possibilities and effect of school work of children in sanatoria.
Gruslica 22 no.11:827-830 Nov 54.

1. Sanatorium Młodzieżowe Przeciwgruslicze w Dziekanowie Lesnym.
(OCCUPATIONAL THERAPY, in various diseases
tuberc. in child., school work in sanatoria)
(TUBERCULOSIS, in infant and child
ther., occup., school work in sanatoria)

LUTZ, J.

From the activities of the Polish Committee for Geotechnics
and Underground Works. Przegl techn 86 no.7:10 14 F '66.

LAPINSKA, Jozefina; oraz wspolpracownicy: BANASZKIEWICZ, Halina;
STALINSKA, Elzbieta; DOBRUCKA-KOKINSKO, Ewa; KALINOWSKI, Jan;
KROSNIAK, Franciszka; GWOZDZ, Jozef; LUTZ, Hanna; LUTZ, Jerzy;
DWORAK, Wlodzimierz; NARUSZEWICZ, Wanda

The efficiency of occupational rehabilitation in sanatoria
for young people. Gruzlica 33 no.4:323-332 Ap '65.

1. Z Zespołu Nadzoru Specjalistycznego Instytutu Gruzlicy
(Kierownik: lek. A. Kwiekowa) (for Lapinska).
2. Sanatorium
w Lagiewnikach (for Banasziewicz, Stalinska).
3. Sanatorium
im. Okrzei w Otwocku (for Dobrucka-Kokinsko, Kalinowski).
4. Sanatorium w Istebnej (for Krosniak, Gwozdz).
5. Sanatorium
w Dziekanowie Lesnym (for H. Lutz, J. Lutz).
6. Sanatorium w
Dzierzaznie (for Dworak, Narusiewicz).

TOMASSI Witold; JANKOWSKA, Helena; LUTZE-BIRK, Andrzej

Studies on the properties of platinum powder electrodes in
the system $\text{Cl}_2\text{-Cl-H}_2\text{O}$. Przem chem 39 no.7:418-421 J1 '60.

1. Katedra Chemii Fizycznej, Politechnika, Warszawa

LUTZE-BIRK, S.

I-5

POLAND/ Chemical Technology. Chemical Products and Their
Application. Mineral salts. Oxides Acids. Bases

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12341

Author : Lesniewicz L., Bretsznajder S., Lutze-Birk S., Piskorski J.

Title : Calcining of Basic Aluminum-Ammonium Alum in
Pseudofluidized Bed

Orig Pub : Prazenie zasadowego siarczanu glinowo-amonowego w zlozu
fluidalnym. Przem.chem., 1956, 12, No 7, 378-382 (Po-
lish; Russian and English summaries)

Abstract : Investigated was the course of thermal decomposition of
aluminum-ammonium alum at high temperature in pseudo-
fluidized bed. The experiments were carried out in fur-
naces (shaft diameter 80 mm) provided with a continuous
operation feeding device, a cyclone and a flameless dia-
phragm burner. Dehydration of the raw material takes
place at 480-520° with a feed rate of ~1620 kg/m² per

- 11 -

Card 1/2

L 20689-65 EWT(1)/EWP(e)/EPA(a)-2/EWT(m)/EPF(n)-2/EPA(w)-2/EWP(h)/EWA(b)
 Feb-10/Pt-10/Peb/Pa-4 ASD(a)-5/ASD(m)-3/AS(mp)-2 WH

ACCESSION NR: AP4049393

P/0015/64/000/011/0301/0307

AUTHOR: Winogradow, L., Widaj, J., Lutze-Birk, A.

TITLE: New trends in the development of high-capacity ceramic capacitors

SOURCE: Szklo i ceramika, no. 11, 1964, 301-307

TOPIC TAGS: capacitor, ceramic capacitor, capacitor size, permittivity, barium titanate, lanthanum oxide

ABSTRACT: The rapid development of modern electronics requires a constant improvement in the parameters of ceramic capacitors and a simultaneous decrease in their size and weight; it also necessitates an increase in their capacity. The article is a review of some of the research trends in this field, particularly of work that has been carried out recently. Four methods used in the preparation of capacitors of high capacity are discussed: use of materials of higher permittivity; thin-walled capacitors; application of thin layers of a dielectric on suitable substrates; use of redox processes for the preparation of a two-layer dielectric whose interior is a semiconductor and whose surface is a dielectric. Citing the pertinent works of other researchers, the authors then describe the effect of oxidation and reduction processes on the properties of

Card 1/2

L 20689-65

ACCESSION NR: AP4049393

ceramic dielectrics, and discuss in detail the reduction of BaTiO_3 and of titanate ceramics. On the basis of this survey, the authors come to some preliminary conclusions regarding the use of dielectrics with a redox layer and the effect of the addition of La_2O_3 to BaTiO_3 on the processes of reduction and re-oxidation. Orig. art. has: 15 figures, 2 tables, 1 formula and several chemical equations.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: IC, EC

NO REF SOV: 004

OTHER: 031

Card 2/2

L 23098-65 EEC(b)-2/EPF(n)-2/EPA(s)-2/EPA(w)-2/EWA(h)/EWT(l)/EWT(m)/EEC(t)/
EWP(b)/EWP(e) Pt-10/Pu-4/Pab-10/Peb IJP(c) GG/VH
ACCESSION NR: AP5002230 P/0015/64/000/012/0328/0330

AUTHOR: Winogradow, L.; Wida, J.; Kwatera, A.; Lutze-Birk, A.

TITLE: Attempts at manufacturing dielectrics with redox layers

SOURCE: Szklo i ceramika, no. 12, 1964, 328-330

TOPIC TAGS: barium titanate, lanthanum oxide, ceramic material, dielectric material, capacitor dielectric material, redox, redox dielectric manufacture

ABSTRACT: This experimental work was carried out in the following sequence: a) preparation of BaTiO_3 and $\text{BaTiO}_2 + \text{La}_2\text{O}_3$ samples; b) firing in the presence of air; c) determination of electric properties; d) reduction; e) surface oxidation; and f) determination of the properties of the dielectrics with the redox layers. The experimental results for the latter are given in Table 1 of the Enclosure. The experimental data lead to the following conclusions: 1) the manufacture of capacitors of high capacitance through the application of dielectrics with redox layers is possible and relatively simple; 2) optimum results are obtained with $\text{BaTiO}_3 + \text{La}_2\text{O}_3$, which are 99.5 and 0.5 per cent by weight, respectively; the mixture fired at 1380C must be subjected to lengthy reduction

Card 1/12

L 23098-65

ACCESSION NR: AP5002230

and a not too rapid oxidation; 3) it is difficult to introduce the La_2O_3 into the BaTiO_3 but the La_2O_3 exerts a definite effect on the kinetics of the reduction process; and 4) the techniques for determining the electric properties of the samples must be modernized. These preliminary experimental results indicate the scope and perspective of the next systematic studies in this field. Orig. art. has: 5 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: MT; 11

NO REF SOV: 000

OTHER: 002

Card 2/3

LUTZE-BIRK, Stefan, mgr., inz.

Water protection against pollution in the perspective plan of water management. Gosp wodna 21 no.10:420-422 0 '61.

1. Panstwowa Inspekcja Ochrony Wod, Warszawa.

LUUK, A.

Getting acquainted with the decisions of the village soviets. p. 67

EESTI KOMUNIST. (Eestimaa Kommunistlik Partei Keskkomitee) Tallinn, Estonia.
Vol. 15, no. 9, Sept 1959

Monthly List of East European Accessions (EMAI) IG, Vol. 8, No. 12, Dec. 1959
Uncl.

LUVSHIEV, Valentin

A communication about Chetana. Izv Sool Inst BANIL57-160
16 Ja'64

LUVCHIEV, V.

A contribution to the study of the synanthropic species of the family Muscidae (Dipt.) in Bulgaria. Izv Zool inst BAN 15:105-113 '64.

LUVISHIS, A.A., kand. tekhn. nauk

New method for determining the volumetric weight of felt goods.
Nauch.-issl. trudy TSNII Shersti no. 18:268-274 '63.

(MIRA 18:1)

LUVISHIS, L.A., kand. tekhn. nauk

Device for determining the waviness of synthetic fibers. Tekst. prom.
19 no.11:65-66 N '59. (MIRA 13:2)
(Textile fibers, Synthetic--Testing)

UVVISHIS, L.A.; SEMINA, N.A.

Rapid determination of moisture content in textile materials.
Standartizatsiia 24 no.3:39-40 Mr '60. (MIRA 13:6)
(Moisture—Measurement) (Wool—Testing)

LUVISHIS, L. A. ; RACHKO, T. S.

Methods for determining the wear resistance of textile fabrics.
Standartizatsii 24 no.9:37-38 S '60. (MIRA 13:9)
(Textile fabrics--Testing)

LUVISHIS, L.A., kand.tekhn.nauk

Apparatus for contactless measuring of the volumetric weight of
felt. Tekst. prom. 20 no. 12:46-48 D '60. (MIRA 13:12)
(Radioisotopes--Industrial applications)
(Weights and measures)

LUVISHIS, L.A., kand.tekhn.nauk

Simplified microtome for the preparation of cross-sectional
sample cuts of yarn fibers. Tekst.prom. 21 no.7:72-73 J1 '61.
(MIRA 14:10)

(Microtome) (Yarn—Testing)

KUKIN, Georgiy Nikolayevich, prof.; SOLOV'YEV, Aleksey Nikolayevich, prof.; KISELEV, A.K., dotsent, retsenzents; PAKSHVER, A.B., prof., retsenzents; BUDNIKOV, V.I., dotsent, retsenzents; LAZAREVA, S.Ye., kand.tekhn.nauk, retsenzents; LUVISHIS, L.A., kand.tekhn.nauk, retsenzents; TUMAYAN, S.A., kand.tekhn.nauk, retsenzents; SHTEYNGART, M.D., red.; SHVETSOV, S.V., tekhn.red.

[Guide to textile materials] Tekstil'noe materialovedenie.
Pod obshchei red. G.N.Kukina. Moskva, Izd-vo nauchno-tekhn.lit-ry.
Pt.1. 1961. 303 p. (MIRA 15:4)

1. Ivanovskiy tekstil'nyy institut (for Kiselev). 2. Vsesoyuznyy zaochnyy institut legkoy i tekstil'noy promyshlennosti (for Pakshver). 3. Tashkentskiy tekstil'nyy institut (for Budnikov). 4. Vsesoyuznyy institut promyshlennosti lubyanykh volokon (for Lazareva). 5. Tsentral'nyy nauchno-issledovatel'skiy institut sherstyanoy promyshlennosti (for Luvishis). 6. Tsentral'nyy nauchno-issledovatel'skiy institut shelkovoy promyshlennosti (for Tumayan).

(Textile fibers)

LUVISHIS, L.A., kand.tekhn.nauk; LAZUKOV, N.S., inzh.

Laboratory method for determining the stiffness of wool filters. Tekst.-
prom. 21 no.5:75-77 My '61. (MIRA 15:1)
(Wool--Testing)

LUVISHIS, L. A., starshiy nauchnyy sotrudnik; KOVALEVA, N. S., starshiy
nauchnyy sotrudnik; KALININ, I. A., starshiy nauchnyy sotrudnik;
KHARITONOV, Yu. P., mladshiy nauchnyy sotrudnik

Laboratory fire-testing method of fabrics. Tekst. prom. 21
no.10:76-78 0 '61. (MIRA 14:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sherstyanoy
promyshlennosti.

(Clothing, Protective)
(Fire-testing)

LUVISHIS, L.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk

New method of determining the volumetric weight of felt goods.
Tekst.prom. 22 no.1:73-75 Ja '62. (MIRA 15:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy
promyshlennosti.

(Felt ~~Testing~~)

LUVISHIS, L.A., kand.tekhn.nauk, nauchnyy sotrudnik; SEMINA, N.A., inzh,
nauchnyy sotrudnik

Synthetic fibers for the manufacture of yarns for industrial use.
Tekst.prom. 22 no.8:39-40 Ag '62. (MIRA 15:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy
promyshlennosti (TsNIIShersti).
(Textile fibers, Synthetic)

LUVISHIS, L.A., kand. tekhn. nauk; SMOLOVA, L.N., mladshiy nauchnyy sotrudnik

"Manra" vibroscope for determining the thinness of fibers.

Tekst. prom. 23 no.9:87 S. '63. (MIRA 16:10)

1. Rukovoditel' kontrol'no-ispytatel'noy laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta sherstyanoy promyshlennosti (TsNIIShersti) (for Luvishis). 2. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy promyshlennosti (for Smolova).
(Textile fibers--Testing)

LUVISHIS, L.A., kand. tekhn. nauk

Methods for determining the thickness of fabrics. Tekhn.-teor.
trudy TSNIIShersti no.16:193-203 '61.

Instrument for the abrasion testing of felt footwear. 203-212
(MIRA 16:11)

LUVISHIS, L.A., kand.tekhn.nauk; LUTS'KAYA, T.S., inzh.

Methods for determining the abrasion strength of fabrics by
means of the TI-1 apparatus. Nauch.-issl.trudy TSNIIShersti
no.16:187-193 '61. (MIRA 16:11)

LUVISHIS, L.A., kand.tekhn.nauk; SEMINA, N.A., inzh.

Rapid method for determining the fineness of wool fibers in an
air jet. Nauch.-issl.trudy TSNII Shersti no.16:177-186 '61.
(MIRA 16:11)

LUVISHIS, L.A., kand. tekhn. nauk; KOVALEVA, N.S., inzh.

Laboratory method for determining the fireproofness of fabrics.
Nauch.-issl. trudy TSNIIShersti no.17:144-148 '62. (MIRA 17:12)

LUVISHIS, L.A., kand. tekhn. nauk; SFDOVA, G.V., inzh.

Testing of Hungarian laboratory apparatus. Nauch.-issl. trudy
TSNIIShersti no.17:126-131 '62. (MIRA 17:12)

LUVISHIS, L.A., kand. tekhn. nauk

All-purpose hand laboratory microtome for cutting microscopic
sections of fiber, yarn and fabrics. Nauch.-issl. trudy
TSENIShersti no.17:132-134 '62. (MIRA 17:12)

LUVISHIS, L.A., kand. tekhn. nauk; VAKS, L.M., inzh.

Laboratory method for determining the shrinkage of woolen and
blended wool fabrics after soaking in water. Nauch.-issl.
trudy TSNIIShersti no.17:134-138 '62. (MIRA 17:12)

LUVISHIS, I.A., kand. tekhn. nauk; LAZUKOV, N.S., inzh.

Apparatus and method for testing the stiffness of wool fibers.

Nauch.-issl. trudy TSNIIShersti no.17:138-144 '62.

(MIRA 17:12)

LUVISHIS, L.A., kand. tekhn. nauk; BIRENBAUM, Ye.I., kand. tekhn. nauk,
starshiy nauchnyy sotrudnik

Factory laboratories to have a more important role in the
efforts to improve the quality of production. Tekst. prom.
25 no.9:17-20 S '65. (MIRA 18:10)

1. Rukovoditel' kontrol'no-ispytatel'noy laboratorii TSentral'-
nogo nauchno-issledovatel'skogo instituta sherstyanoy promysh-
lennosti (for Luvishis). 2. Sotrudnik kontrol'no-ispytatel'noy
laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta
sherstyanoy promyshlennosti (for Birenbaum).

LUV-LUZ

LUVISHIS, T.N., starshiy nauchnyy sotrudnik, kand.tekhn.nauk; VAKS, L.M.,
mladshiy nauchnyy sotrudnik

Laboratory method for determining the shrinkage of wool and
semiwool fabrics after soaking in water. Tekst.prom. 22
no.2:73-75 F '62. (MIRA 15:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy
promyshlennosti.

(Wool---Testing)

LUVSANTSEREN, SH.

Dissertation: "Evaluations of the Greatest Probability and Confidence Intervals for Unknown Parameters of Stationary Gaussian Processes of the Markov Type." Cand Phys-Math Sci, Moscow State U, Moscow, 1954. (Referativnyy Zhurnal--Matematika, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

LUVSANTSEREN, Sh.

USSR:

Luvantseren, S. Maximum likelihood estimates and confidence regions for unknown parameters of a stationary Gaussian process of Markov type. Doklady Akad. Nauk SSSR (N.S.) 98, 723-726 (1954). (Russian)

The author gives restrictions on the likelihood function under which, he says, the maximum likelihood (m.l.) estimator will be consistent uniformly in the parameter θ to be estimated. His restrictions require the stochastic convergence of certain functions of the likelihood, uniformly in θ . He then considers a stationary Gaussian Markov process with known variance, and states that a) when the mean is known, the m.l. estimator of the correlation coefficient (between two consecutive observations) is asymptotically normal, with variance cited, b) when the mean is unknown, the m.l. estimators of the mean and correlation coefficient are asymptotically normal and independent, with cited variances. The results are given without proof.

J. Wolfowitz (Ithaca, N. Y.).

1 - F/W

1 - F/W

62

1. 0010112. 1. 01

AID P - 3746

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 10/22

Authors : Poray-Koshits, A. Ye., B. A. Poray-Koshits, L. S. Efros,
M. I. Krylova, D. A. Luvshits, K. Yu. Mar'yanovskaya
I. P. Aleksandrova, and K. E. Ul'man

Title : Synthesis of some aromatic amines with trifluoromethyl
groups and study of them as products for ice dyeing

Periodical : Zhur. prikl. khim. 28, 9, 969-975, 1955

Abstract : The preparation of benzotrichloride and benzotrifluoride
and the nitration of benzotridluorides are described in
detail. 16 references, 6 Russian (1863-1950).

Institution : None

Submitted : D 25, 1953

L. V. SHITS

GURTOVYI, M. Ye.; LUVSHITS', N. M.

Compensation of electron space charge by alkali metal ions.
Nauk. zap. Kiev. un. 15 no. 5:93-101 '56. (MIRA 10:7)
(Electric discharges through gases) (Electrons) (Ions)

LUX, A.

"Evaluation of the damage caused by Loranthus europaeus L." (p.41). BIOLOGICKY
SBORNIK. (Slovenska akademie vied a umeni) Bratislava. Vol. 7, No. 1/2, 1952.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

LUX, A.

"Poplar moth (Phyllocnistis sufusella Z.), a pest in poplar nurseries." (p.127).
BIOLOGICKY SBORNIK. (Slovenska akademie vied a umeni) Bratislava. Vol. 7, No. 1/2,
1952.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

LUX, A.

"Effect of soil sterilization by steam on the growth of salads; a preliminary report." (p.193). BIOLOGICKY SBORNIK. (Slovenska akademie vied a umeni) Bratislava. Vol. 7, No. 1/2, 1952.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

LUX, A.

Effect of sowing on the properties of flax (Linum usitatissimum L.)

p. 662 (BIOLOGIA) Vol.11, no. 11, 1956,
Bratislava, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

PINTER, Tihamer; LUX, Andras

New possibilities of the industrial production of aluminum.
Musz elet 17 no.4:12 F '62.

LUX, Andras

Modernization of technology in the alumina industry. Musz elet 17
no.24;11 22 N '62.